

gallon per capita per day figure set forth by the International City Managers Association and by using present and projected population, the present and future water source status can be evaluated. By multiplying Kinston's population of 22,309 by the average per capita per day consumption of 140, total average per day consumption would be approximately 3.12 million gallons per day. Present average capacity for Kinston's wells is 7,500 gallons per minute as reflected with an average capacity of 4,500 gallons per minute suggested by ICMA. Currently, Kinston's average gallon per minute consumption is approximately 2,400 gallons per minute. The National Board of Fire Underwriters recommends the following capacities for water flow.

REQUIRED FIRE FLOW

<u>Population</u>	<u>GPM</u>	<u>MGD</u>	<u>Duration</u>
22,000	4,500	6.48	10 hrs.
27,000	5,000	7.20	10 hrs.
33,000	5,500	7.92	10 hrs.
40,000	6,000	8.64	10 hrs.

Kinston's water system would meet the above requirements and should continue to adhere to the above for the next twenty years.